Medical School of Maine:

The Medical Department

OF

BOWDOIN COLLEGE.

1900

MEDICAL SCHOOL OF MAINE:

THE MEDICAL DEPARTMENT

OF

BOWDOIN COLLEGE.

EIGHTIETH YEAR,

SESSION OF 1900.

PORTLAND, ME.:
William M. Marks, Printer.
1899.

PROPOSED BUILDINGS OF THE MEDICAL SCHOOL OF MAINE.

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ALFRED KING, A. B., M. D.,
Instructor in, and Demonstrator of, Anatomy.

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GEORGE THOMAS LITTLE, Litt. D.,
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JACOB LYMAN HORR, M. D.,
JOHN M. WAKEFIELD, M. D.,
Visitors from the Maine Medical Association.

STUDENTS IN 1899.

(P. S. M. I.=Portland School for Medical Instruction.)

Names.	Residences.	Preceptors.
Anson Morrill Andrews,	*Gray*,	E. T. Andrews and P. S. M. I.
Sullivan Lane Andrews,	*West Paris*,	E. H. Andrews.
Daniel Alden Barrell,	*Auburn*,	Wallace K. Oakes and Cen. Me. Gen. Hospital.
John Harold Bates, A. B.,	*West Sumner*,	A. E. Bessey.
Freeman Elisha Bennett,	*Presque Isle*,	Frank Kilburn and Mass. Gen. Hospital.
Charles Wilson Bibber,	*Brunswick*,	C. W. P. Foss and Boston City Hospital.
Frank Weeks Blair, A. B.,	*Boothbay Harbor*,	G. A. Gregory and P. S. M. I.
George Kenniston Blair,	*Boothbay Harbor*,	G. A. Gregory.
Joseph Perley Bodge,	*South Windham*,	P. S. M. I.
Percy Herbert Brigham,	*Boston, Mass.*,	H. E. Mace and Eugene M. Brown.
Andrew Allen Brown,	*South West Harbor*,	Chas. M. Sawyer.
Frank Albert Burleigh,	*Concord, N. H.*,	Geo. H. Saltmarsh.
Horatio Smith Card, A. M.,	*Woodfords*,	P. S. M. I.
Charles Oscar Caswell, A. B.	*Portland*,	D. W. Fellows and P. S. M. I.
Eugene Botsford Clark,	*Centerville, N. B.*,	J. W. N. Baker.
William Bridgham Coburn,	*Sherman Mills*,	W. L. Hunt.
Francis Henry Cohen,	*Marlboro, Mass.*,	Henry Dalton.
Fred Melvin Cole,	*Gardiner*,	W. O. Cobb.
Matthew Geo. Earley Conlin,	*Spencer, Mass.*,	J. C. Austin.
Thomas Francis Conneen,	*Portland*,	Edward J. McDonough and P. S. M. I.
Edson Selden Cummings,	*Lewiston*,	M. C. Wedgwood.
Ansel Samuel Davis,	*North Waterboro*,	L. E. Grant.
Philip Webb Davis, A. B.,	*Portland*,	Geo. H. Cummings and P. S. M. I.
Francis William Donahue, A. B.,	*Portland*,	J. B. O'Neill and P. S. M. I.
Robert Harold Donnell,	*Bath*,	Edwin M. Fuller.
Carl Roswell Doten,	*Portland*,	Geo. F. Libby and P. S. M. I.
Wallace Wadsworth Dyson,	*Portland*,	Aug. S. Thayer.

Fred. Eugene Earle,	*Kent's Hill*,	W. A. Wright.
Winthrop Fillebrown,	*Boston, Mass.*,	Chas. D. Fillebrown and P. S. M. I.
Edman Payson Fish, A. B.,	*Fairfield*,	F. J. Robinson.
George Varnum Fiske,	*Epsom, N. H.*,	Roscoe Hill.
Edward Emery Foster,	*Westbrook*,	James B. O'Neill.
George Alcott Foster,	*Brunswick*,	C. E Lancaster.
Michael Francis Gallagher,	*Marlboro, Mass.*,	Charles Kingsley.
Norman John Gehring,	*Cleveland, Ohio*,	F. N. Whittier.
Frank Yuba Gilbert,	*Orono*,	J. N. Norcross.
Harry Everett Gribbin, A. B.,	*Portland*,	P. S. M. I.
J. Lowell Grindle,	*Mt. Desert*,	R. L. Grindle and P. S. M. I.
Orville Leon Hanlon, A. B.,	*Groveton, N. H.*,	A. W. Scott.
Robert Clarence Hannigen, A. B.,	*St. Stephen, N. B.*,	R. A. Holland.
Oscar Edwin Hanscom, A. B.,	*Lebanon*,	L. O. Buzzell and G. R. Cate.
John Forrest Harkins,	*Lewiston*,	J. A. and A. M. F. Leader.
Henry Brown Hart,	*Portland*,	B. F. Dunn and P. S. M. I.
Alfred William Haskell,	*Portland*,	P. S. M. I.
Wm. Reginald Leonard Hathaway,	*Garland*,	F. A. C. Emerson.
Harry Willis Haynes,	*New York, N. Y.*,	George Cook.
William Frank Hayward,	*Brockton, Mass.*,	A. L. Shirley.
Owen Berry Head,	*Denmark*,	S. T. Brown and P. S. M. I.
Bruce Alvor Higgins,	*East Corinth*,	C. D. Edmunds.
Clarence Eugene Hight,	*Jefferson, N. H.*,	Charles H. Burnham.
Francis Orman Hill,	*North Newbury*,	F. O. J. S. Hill.
Frank Henry Hobbs,	*Waterboro*,	Walter J. Downs.
Daniel Henry Holmes,	*Farmington, N. H.*,	Philip H. Greeley and Boston City Hospital.
Edward Curtis Hooper,	*Winslow*,	S. S. Debec and C. W. Abbott.
Percival Orson Hopkins,	*Frankfort*,	O. S. Erskine.
Hiram Lionel Horsman, A. B.,	*Princeton*,	Geo. F. Townsend.
Henry Willis Hurd,	*Goodwin's Mills*,	H. H. Brock.
Guy Howard Hutchins,	*Auburn*,	John Sturgis.
James Gilbert Hutchins,	*Orland*,	H. E. Snow.
William Everett Jonah, A. B.,	*Eastport*,	H. V. Jonah.
Frank Herbert Jordan,	*Milton, N. H.*	M. A. H. Hart and P. S. M. I.
Clarence Fairbanks Kendall, A. B.,	*Biddeford*,	C. J. Emery.
James Aldrich King,	*Millville, Mass.*,	A. A. Lawrence.
William D'Arcy Kinney,	*Fort Fairfield*,	A. D. Sawyer.
Herbert Manson Larrabee,	*Portland*,	B. F. Dunn and P. S. M. I.
James Webster Loughlin,	*New York, N. Y.*,	C. L. Johnston.
Charles Henry Leach,	*East Winthrop*,	C. M. Taggart.
Richard Timothy Leader,	*Lewiston*,	John A. and Alice M. F. Leader.

Frank Elliot Leslie,	*Woburn, Mass.*,	I. W. Starbird.
Ara Brooks Libby, A. B.,	*Gardiner*,	A. Sawyer and P. S. M. I.
Albion Henry Little,	*Portland*,	C. D. Smith and P. S. M. I.
Samuel Heber Long,	*Brockton, Mass.*,	John McGrath.
James Marshall Lowe,	*Vinalhaven*,	H. L. Raymond.
Walter Freeman Lyford,	*South Atkinson*,	E. H. Lyford.
Henry Thomas McCarthy,	*Lewiston*,	W. H. Hawkins.
Eugene Miller McCarty,	*Woodfords*,	P. S. M. I. and A. V. Thompson.
Martin Crowell Maddan,	*Oldtown*,	J. N. Norcross.
Clarence Harold Marston,	*West Baldwin*,	C. E. Lancaster and Geo. W. Weeks.
Howard Augustus Milliken,	*Surry*,	Boston City Hospital.
John Sewell Milliken,	*Farmington*,	E. B. Currier and H. B. Palmer.
Frank Baxter Mitchell,	*Norwich, Conn.*	
William Hiram Mitchell,	*Brunswick*,	P. S. M. I.
Harry Alton Moody,	*Warren*,	J. M. Wakefield.
Alonzo William Morelen, A. B.,	*Dresden Mills*,	L. H. Dor.
Timothy Francis Murphy,	*Lewiston*,	J. A. Donovan.
George Page Nash,	*Lewiston*,	M. C. Wedgwood.
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Joseph Ernest Odiorne, A. B.,	*Richmond*,	W. E. Whitney.
Frederick Berthel Peabody,	*Phillips*,	E. B. Currier.
Philip Lamont Pease,	*Corinna*,	F. L. Redman.
Joseph John Pelletier,	*Lewiston*,	Wallace E. Webber.
Edgar Llewellyn Pennell, A. B.,	*Gray*,	W. J. Pennell and P. S. M. I.
Charles Henry Phillips,	*Beverly, Mass.*,	C. A. Stetson.
Edwin Francis Pratt, A. B.,	*Topsham*,	C. E. Lancaster.
Samuel Jackson Redman,	*Hampden*,	F. L. Redman.
Ivus Irvin Richmond,	*Byron*,	F. E. Wheet and A. I. York.
Charles Cummings Rogers,	*Windham*,	I. D. Harper and P. S. M. I.
George Herbert Rounds,	*East Baldwin*,	D. W. Rounds and P. S. M. I.
Warren Bigelow Sanborn,	*Augusta*,	B. G. Sanborn and P. S. M. I.
Samuel Guy Sawyer,	*Limington*,	W. D. Williamson and P. S. M. I.
Thomas Edward Sheehan,	*North Abington, Mass.*,	R. Rand.
Ralph Dumphry Simons,	*Madison*,	David S. Hunnewell and P. S. M. I.
George Eaton Simpson, A. B.,	*Alna*,	W. A. Parsons and B. L. Bryant.
Ezra Byington Skolfield,	*Brunswick*,	Alfred Mitchell and P. S. M. I.
Fitz Elmer Small,	*Portland*,	P. S. M. I.
Morton Maxwell Small,	*Deer Isle*,	A. M. Small.
Philip Warren Small,	*Deer Isle*,	H. W. Small.

Ervin Linwood Soule,	*Knightville*,	F. I. Brown.
Frederick Nathaniel Staples,	*Temple*,	A. G. Howard.
Henry Kingsbury Stinson,	*Richmond*,	W. E. Whitney.
Albert Fales Stuart,	*Appleton*,	L. W. Hadley and S. P. Strickland.
Gardiner Luther Sturdivant,	*Fryeburg*,	A. L. Shirley and P. S. M. I.
Albert Ham Sturtevant,	*Bath*,	W. E. Rice and C. A. Packard.
Clinton Tewksbury Swett,	*Greene*,	L. L. Hale and H. H. Purington.
Clarence Edgar Thompson,	*Portland*,	C. W. Foster and P. S. M. I.
John Budd Thompson, A. B.,	*Topsham*,	Geo. S. Machan and P. S. M. I.
Raymond Ritchie Tibbetts,	*East Palermo*,	H. H. Colburn.
Fred Chamberlain Tobey,	*Boston, Mass.*,	C. B. Cotton.
Walter Eaton Tobie,	*Portland*,	Alfred King and P. S. M. I.
Harry Coulter Todd, A. B.,	*Calais*,	J. M. Deacon.
Virgil Connor Totman, A. M.	*Bar Mills*,	A. H. Weeks.
Joseph Paul Traynor,	*Biddeford*,	F. Ferguson.
Linton Edson Waldron, A. B.	*Waterville*,	F. C. Thayer.
Joseph Walsh,	*Augusta*,	O. C. S. Davies.
Daniel Webster Wentworth,	*North Berwick*,	James O. McCorrison.
Ernest Wentworth,	*Auburn*,	S. E. Wentworth.
Fred Everett Wheeler,	*West Paris*,	O. K. Yates.
Cassius Claudius Williamson, A. B.,	*Gorham, N. H.*,	W. D. Williamson.
Charles Arthur Worthen,	*Haverhill, Mass.*,	F. W. Anthony.
Corydon Leslie Young,	*New Portland*,	Warren G. Sawyer.
William Hilt Young,	*Warren*,	J. M. Wakefield and Me. Gen. Hospital.

ANNOUNCEMENT.

The Medical School of Maine, established by the first legislature of the State, was by its charter placed under the control of the Boards of Trustees and Overseers of Bowdoin College, of which institution it is the Medical Department.

Its course of instruction covers four years of six months each. The studies are distributed through the curriculum according to the following schedule:

First Year: Anatomy, Histology, Physiology, Chemistry, Personal Hygiene.

Second Year: Anatomy, Physiology, Chemistry, Pathology, Bacteriology.

Third Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Obstetrics.

Fourth Year: Internal Medicine, Surgery, Materia Medica and Therapeutics, Medical Jurisprudence, Public Hygiene, Diseases of Women, Diseases of Children, Diseases of the Mind, Diseases of the Skin, Diseases of the Genito-urinary System, Diseases of the Eye, Diseases of the Ear, Diseases of the Nose and Throat.

The course is strictly graded, and all of the required studies of one year must be completed before those of the next succeeding year can be entered upon.

At the end of each year an examination is held in the studies of that year, and the successful student receives a certificate from the Dean testifying to his passage. Those who prefer to defer their examination and those who have failed at the close of the school-year, are allowed an examination at the beginning of the next year. If, for any sufficient cause, a student is unable to be present at the time appointed for this second examination, he may be examined three weeks after the beginning of the year. Failure to pass in the studies of the final year will necessitate a repetition of the work of that year.

To be eligible for examination in the studies of the first year the student must have completed a full year of professional work and show documentary evidence to this effect; and corresponding requirements must be fulfilled before admission to second-year and third-year examinations.

An examination which is not completed receives no consideration.

The students of the first and second years are instructed at Brunswick, where the school has been situated since its foundation in 1820, and where the facilities are excellent for imparting a knowledge of the primary branches. The third-year and fourth-year classes will hereafter be taught in Portland on account of the superior clinical advantages afforded in that city. The first of the two buildings designed for the use of the School will be ready for occupancy in season for the coming term, and will furnish ample accommodations for the advanced classes. As soon as the second and larger building is completed the whole school will be located in Portland. The projected buildings, represented in the accompanying illustration, will be situated on Chadwick Street next to the Sebago Reservoir, and close to the Maine General Hospital, in which institution nearly all of the teachers in the School are medical or surgical officers, and the Directors of which are in full sympathy with the purposes of the Faculty.*

While the Maine General Hospital (a view of which is given on the last page of the cover) is the chief source of supply of clinical material for the School, Portland has a number of other institutions, which will contribute to the bedside instruction of the students; and the various teachers, as opportunity permits, will show individual pupils interesting cases in their private practice.

The eightieth annual course will begin on Thursday, the 28th of December, 1899, and will continue twenty-six weeks.

Examinations for *admission to the School* will be held at nine o'clock in the morning of the first day, Thursday, the 28th of December, in Brunswick, for those who desire to enter the first or second years; in Portland at the same hour for those, not previously matriculated, who desire to enter the third year.

Examinations for *advanced standing* will be held at nine o'clock in the morning of Friday, the 29th of December, in Brunswick for those wishing to enter the second year; at nine o'clock in the morning of Saturday, the 30th of December, in Portland, for those who wish to enter the third year.

No exercises will be held on Monday, the first day of January, as it is a legal holiday.

The formal introductory lecture will be delivered by Professor Ring, in Memorial Hall, Brunswick, at three o'clock in the afternoon of Tuesday, the second of January, 1900.

The systematic courses of instruction will begin on Wednesday morning, the third of January.

*The electric cars (Spring Street line—blue) run on Vaughan Street, which is but one block from the School; and free transfers may be had from the Congress Street line (green) and the Middle Street line (red), so that one can easily reach the School from either end of the city, and from the Union, Grand Trunk, and Rochester railway stations.

On arriving in Brunswick students should apply at the office of the Dean in the medical building, enter their names, receive directions concerning their examinations, if any are needed, pay their fees, and be advised as to boarding places.

In Portland they should apply at the office in the medical building for the same purposes. Dr. Charles O. Hunt will act as deputy dean.

EXPENSES.

For Instruction :

In each of the required four years $100. Exception will be made in the case of those who have previously matriculated. They will be required to pay only those fees which were in vogue on their admission to the School, namely, $78 for their second course, and $50 for their third course.

For Examinations :

Payable at the end of the first year—

In Anatomy,	$5.
In Physiology,	$5.
In Chemistry,	$5.

Payable at the close of the term of instruction in Obstetrics, for examination in this branch, $5.

These four fees are credited on the diploma-or graduation-fee.

For every re-examination in any of the above studies, $3.

This fee is not credited on the diploma-fee.

For examination or re-examination in any branch at a time not regularly appointed the student shall pay a fee of $5 in addition to the prescribed fee for that examination.

Miscellaneous :

The Matriculation Fee of $5 is required of every student each year.

For materials used in the chemical-laboratory courses, about $2.50 per year.

For materials used in the bacteriological laboratory, about $2.

For anatomical material, its cost.

For graduation fee (not returnable), including the parchment diploma, $25. This will have been nearly paid in the examination-fees in the previous years.

Graduates of other schools, who have been engaged three years in the regular practice of medicine, may receive a general ticket upon presentation of their diplomas and payment of the Matriculation Fee. Graduates of other schools are not eligible for a degree from this school without attendance upon a full course of instruction immediately preceding the examination for such a degree.

All fees must be PAID IN CASH and STRICTLY IN ADVANCE.

Board and lodging cost from $3 to $5 a week.

REQUIREMENTS FOR ADMISSION.

Applicants for admission will be required to give evidence that they possess a good English education, and unless they present diplomas or entrance-tickets as provided below they must pass examinations in the following studies:

English:—Spelling, writing, construction of sentences, and English grammar in general.

Arithmetic:—As represented in the larger common-school text-books on the subject.

Algebra:—Including addition, subtraction, multiplication, division, factoring, and simple equations, as, for example, the first eleven chapters in Wentworth's New School Algebra.

Geometry:—Including at least three books of some standard plane geometry, as Wells's or Wentworth's.

History of the United States:—To the extent afforded in the ordinary school history, such as Montgomery's.

Physics:—As presented in any standard school text-book, such as Gage's Elements of Physics, or Dolbear's Natural Philosophy. This requirement cannot well be met with less than a year's study in some good school, where the illustrative experiments are required to be performed.

Chemistry:—As much as is covered in some standard school chemistry, as Remsen's, or Storer and Lindsay's. As in the case of the Physics, this requirement cannot well be met with less than a year's study in some school provided with a laboratory, where illustrative experiments have been performed by the student. These experiments should include elementary qualitative analysis, and candidates should present note-books giving accounts of experiments performed, which books must be certified by the teacher.

Latin:—Including sight-reading of easy Latin, a knowledge of the construction of Latin sentences, and the reading of some standard Latin author, as Cæsar or Virgil. At least two years should have been spent in the study of Latin in some good school.

Those who are graduates of Colleges, Normal Schools, High Schools, or Academies, or have passed the entrance examination to any recognized College, on presentation of their diplomas or matriculation tickets, will be exempt from examination, provided that their previous studies have included Latin, Chemistry, and Physics to an extent not less than herein prescribed; but, if their previous studies have not included Latin, Chemistry, and Physics to the required extent, they must be examined

upon these branches, and their diplomas or matriculation tickets will exempt them from examination in the other branches. All without exception who have not such diplomas or tickets will be required to pass the entire entrance examination.

Business Colleges are not recognized.

Students from other schools who apply for advanced standing must comply with the requirements for admission to the first year, must give satisfactory evidence that they have completed a course or courses of instruction equivalent in kind and amount to that or those in this School preceding that to which admission is sought, and must pass examinations in all of the branches previously pursued by the class which they wish to enter. Certificates of the passage of examinations in other schools are not accepted in lieu of examinations.

It is desired that a literal interpretation shall be placed upon the stated requirements of the candidates for Matriculation, as hitherto there have been not infrequent examples of those who inquire if other conditions than those named will not serve in lieu of the examination. The same consideration is asked for the explicit conditions named as regulating the prepayment of fees in cash.

GRADUATION.

A candidate must be twenty-one years of age, and must have devoted to his professional studies four years, including a course of instruction in each of these years in some reputable, regular, incorporated medical institution, and the last course previous to examination must have been in this School. As evidence of his study when not in attendance upon such a school, he must present to the Dean the certificate of a regular and reputable practitioner of medicine. He must present a satisfactory certificate of good moral character from a citizen of the town in which he resides. He must also pass a satisfactory examination in the required studies, previously specified, and present a thesis on some medical subject, a fair copy of which must be handed to the Dean at least ten days before the beginning of the final examinations.

The requirement of four years of study and four courses of instruction will not be enforced in the case of those students who were matriculated in this school previously to June, 1899. These will be permitted to graduate on the terms in vogue of late, namely, three years of study, and a course of instruction in each. But all who matriculate after June, 1899, will come within the scope of the new requirements.

The four years above referred to are years of strictly medical study. No allowance is made in the period of study for work not done in an accredited medical school. Time spent in pharmacy, dental, and veterinary institutions, and in preparatory schools and colleges does not entitle a student to examination for advanced standing.

While the faculty fully recognizes the advantage which a student experiences from the possession of an excellent preliminary education, especially if this has been along biological lines, it believes that to reckon such preparatory training as a part of the required term of study would be a plain evasion of the reasonable demand of the best members of the profession for an extension of the medical course from three to four years—a demand based upon the manifest necessity for more time in which to cover the greatly extended field of medical knowledge. To shirk this plain duty would result also in a refusal by some of the state boards of registration to admit to examination the graduates of this School; and the faculty intends that this institution shall be so conducted that the holders of its diploma shall be welcomed in all parts of the country.

METHODS OF INSTRUCTION.

In order to afford to students who contemplate entering the school an idea of the facilities presented by this institution for acquiring a knowledge of the science and art of medicine, a brief statement is here made of the scope of the work in each department and the methods adopted for imparting instruction.

Anatomy.

The course in this branch covers two years. In the early part of the first year the elementary tissues are studied, both in the lecture room and the histological laboratory. Then the viscera (including the cerebro-spinal axis and the organs of the special senses) are taken up in such order as will enable the student to become acquainted with the structure of each organ before its function is treated of by the professor of physiology, this method being the most rational and highly economical of the pupil's time. Synchronously with this work the subjects of osteology and arthrology are pursued. All of these exercises are illustrated by casts, models, fresh and preserved specimens, and free-hand blackboard drawings. Some subjects are treated by lecture, but the recitation method has the more prominent place. Four hours of didactic exercises a week are bestowed on the first-year work, and the afternoons for some weeks are devoted to microscopic work. The school provides a large number of microscopes; but students owning microscopes will find it advantageous to bring them.

The second year in anatomy is devoted to the remainder of systematic anatomy and to relational anatomy. Myology is taken first, and the student must be able to recognize the muscles in the part which he is to dissect before he is allowed to work on the cadaver. Two dissections on different parts are required, and students are encouraged to dissect as much more as is possible. Surface anatomy is illustrated upon the living model, upon which, also, the students are required to

make demonstrations. In the examinations at the close of the year demonstrations upon the dissected subject are a prominent feature.

Before coming to the School students can do much to equip themselves for appreciation of human anatomy by making systematic dissections of some lower animals; and to this end they are earnestly advised to follow faithfully the directions prescribed in "Physiology Practicums," which will be sent post-paid for one dollar by the author, Prof. B. G. Wilder, Ithaca, N. Y. Admirable books in the same line are Wilder and Gage's Anatomical Technology, Foster and Langley's Practical Physiology, and Huxley and Martin's Biology.

The Anatomical Museum, previously well supplied with wet and dry specimens, casts and models in plaster, wax, and papier maché, has recently been enriched by a large importation from Germany, which adds greatly to the means for instruction.

Physiology.

Instruction in this department is conducted with a view to the practical application of the facts of physiology to the needs of the student in his study of the diagnosis and treatment of disease, and demonstrations and experimental teaching are employed as far as they can be made to serve this end.

In the first year the work will be devoted to the functions of nutrition and reproduction; in the second year to the functions of relation. A portion of the hours will be devoted to text-book recitations.

If a student presents a certificate of having completed two full years of medical study or of having pursued approved courses in this branch in a reputable college or technical school, he may be examined at the end of his first year in this School upon the physiological studies of the second year as well as upon those of the first year.

Chemistry.

The chemical course extends through the first two years. In the first year inorganic preparations, toxicology, and the simpler parts of organic chemistry are taken up. Two exercises a week are held of one hour each, except when laboratory work or a quiz is given, when additional time may be taken.

In the second year, the course includes urinary analysis and diagnosis, and continuation of organic chemistry to include carbohydrates, fats and oils, proteids, alkaloids and medicinal substances derived from coal-tar. The time is substantially the same as in the first year.

At the end of each year examinations are held, and the results of these, taken in connection with the laboratory work and quizzes, determine whether the work has been satisfactorily completed or not.

Students who satisfy the professor of chemistry that they have pursued courses of chemical study similar to either of the above may be

examined by him at the beginning of the term, and if the examination is satisfactory they will be excused from attendance upon the courses in question.

The Chemical Department embraces every article of apparatus essential to the complete illustration of the principles of Chemistry.

The laboratories in the Mary F. S. Searles Science-Building furnish unsurpassed advantages for special courses in analytical chemistry, urinary analysis, and toxicology. These courses are compulsory. They will be entered upon immediately after the close of the dissecting season.

Obstetrics.

The instruction in this branch is given by lectures, recitations, and quizzes, illustrated by models, manikins, and actual specimens.

Pathology and the Practice of Medicine.

Instruction will be given by means of lectures, by regular and systematic quizzes upon these lectures, and by charts. Especial attention will be given to the study of methods of physical diagnosis.

A *medical clinic* will be held by the Professor at the Hospital every week, the material being furnished by the visiting physicians from the abundant resources of their wards, and by all members of the faculty as they have cases of interest which can be utilized for the illustration of subjects under treatment in the didactic course. The visiting physicians will hold additional clinics as opportunity occurs. Definite announcements of these exercises will be seasonably made.

Bacteriology and Pathological Histology.

A. Bacteriology.

The course consists of lectures and laboratory work. In the laboratory course each student is required to cultivate upon three media ten varieties of pathogenic bacteria, to make stained microscopical preparations of each variety, and to study with the microscope the living organisms in hanging drop preparations.

Special attention is given to the examination of sputum for tubercle bacilli, to the diagnosis of diphtheria by means of making smears from suspected throats on Löffler's blood-serum mixture, to the technic of the serum diagnosis of typhoid fever, to methods of staining gonorrhœal pus.

B. Pathological Histology.

The course consists of lectures and laboratory work. The first half of the course is devoted to the study of inflammations excited by chemical and bacterial causes. It includes the pathological histology of

tuberculosis, diphtheria, pneumonia, etc. The second half of the course is devoted mainly to the study of tumors.

In the laboratory course each student is required to make stained microscopical preparations illustrating the disease-processes studied. These preparations become the property of the student and are preserved for reference. Many of these preparations are made from tissues obtained at the surgical clinics and thus show the pathology of cases previously observed.

Surgery.

The entire field of surgery is covered by the instruction in this department, excepting those portions coming under the heads of gynæcology, ophthalmology, and otology. The didactic lectures are supplemented by ample bedside teaching. A clinic will be held once a week at the Hospital, the visiting surgeons of which place at the disposal of the professor whatever material in their wards he desires for illustration of the topics which he has in hand.

In addition to these systematic clinics students have the privilege of witnessing operations almost every day at the Hospital, and these will be explained and made as useful as possible by the surgeons. Opportunity will be given to observe the after-treatment and subsequent progress of the cases, sections of the class being permitted to visit the wards under the guidance of the surgeons on duty.

Minor and operative surgery receive due attention, and the most practical character is given to the instruction, the students being required to apply bandages and other dressings, and performing operations upon the cadaver under the direct supervision of the instructor.

Materia Medica and Therapeutics.

The instruction in Materia Medica and Therapeutics will be given by lectures and quizzes.

A practical exercise in prescription writing will be given every week, by which the student will be taught not only to write the prescription correctly, but to prescribe correctly for given conditions.

Medical Jurisprudence.

The instruction in Medical Jurisprudence will be directed mainly to an exposition of the legal duties and responsibilities of physicians and surgeons to their patients, and also to their character and position as medical expert witnesses in Courts of Justice. Practical suggestions will be given for guidance in both respects.

Gynæcology.

Didactic and clinical instruction will be combined in the department of Diseases of Women.

Abundant opportunities will be given to examine patients whose diseases come within the scope of this department. The various methods of diagnosis and treatment will be demonstrated.

Diseases of Children.

The instruction in this department will be given chiefly by lectures and recitations, and will also include clinical exercises and demonstrations.

Mental Diseases.

The professor of this department is chief medical officer of the Pennsylvania Hospital for the Insane. Especial efforts are made to instruct the students in the early recognition of insanity, with a view to the institution of treatment at the time when it is most productive of good results.

Ophthalmology and Otology.

A weekly clinic in diseases of the eye and ear will be held at the Hospital. The various diseases will be described as cases illustrating them are available for demonstration, operations will be performed when required, and other treatment applied as may be necessary.

Public Hygiene.

Instruction is given by the President of the State Board of Health by lectures upon the principles of Public Sanitation, considering the source and character of public water supplies and the collection and disposal of waste, with especial reference to preventable diseases.

Several hours are devoted to sanitary legislation, and the relations and obligations of the practising physician to public and health-boards, in the management of infectious diseases.

THE LIBRARY.

The library of the Medical School, containing 3700 volumes, has been combined with that of the College, which numbers nearly 60,000 volumes. Both collections are under the same administration and are at the service of the medical students. The more recently published medical works and current numbers of professional journals are kept in a separate room in the main library building for their especial use. It is not the policy of the School to furnish text-books through its library, or to buy largely in medical literature; yet, by means of the catalogue of the Library of the Surgeon General's Office and the system of inter-library loans, the librarian is able to procure for use in serious investigation almost any book that may be desired.

TEXT-BOOKS.

ANATOMY—Gerrish. For reference, Quain.

PHYSIOLOGY—For recitation work, Blakiston's edition of Kirkes. For reference, Landois and Stirling, Foster, Dalton, the American Text-Book of Physiology by Howell.

CHEMISTRY—For general reference, Simon, Bartley, Pellew. For reference in urinary analysis, Purdy, Black, Tyson. For use in laboratory, Robinson's Qualitative Chemical Analysis.

PUBLIC HYGIENE—For reference, Coplin and Bevan, Rohe, Parke's Practical Hygiene.

MATERIA MEDICA AND THERAPEUTICS—Hare, White & Wilcox, H. C. Wood, Butler.

PRACTICE OF MEDICINE—Osler, Tyson, Anders, Wood & Fitz. Practical Diagnosis, Hare.

BACTERIOLOGY—Abbott's Manual of Bacteriology, Muir, and Richie.

PATHOLOGY—Ziegler's Text-Book; Pathological Technique, Mallory and Wright.

PHYSICAL DIAGNOSIS—Tyson, DaCosta, Page.

DISEASES OF CHILDREN—Holt, Rotch, Starr, Sachs.

SURGERY—The American Text-Book of Surgery, last edition, DaCosta's Modern Surgery, Dennis's System of Surgery, Park's Treatise on Surgery, Warren's Surgical Pathology and Therapeutics.

OBSTETRICS—American Text-Book of Obstetrics, Hirst, Jewett, Dorland.

DISEASES OF WOMEN—Kelly (2 vols.), Pozzi, (2 vols.), E. C. Dudley, Robb's Gynæcological Technique, Garrigues.

MEDICAL JURISPRUDENCE—Taylor with Bell's Notes, Ewell.

DISEASES OF THE EYE—Nettleship, Swanzay, DeSchweinitz.

CALENDAR.

1899.

28, December, Thursday. Entrance Examination: for first-and second-year students, at nine o'clock, in Brunswick; third-year students, nine o'clock, in Portland.

29, December, Friday. Examination for advanced standing, for second year, nine o'clock, in Brunswick.

30, December, Saturday. Examination for advanced standing, for third year, nine o'clock, in Portland.

1900.

1, January, Monday. New Year. Holiday. No exercises.

2, January, Tuesday. Introductory Lecture, Memorial Hall, Brunswick, at three o'clock.

22, February, Thursday. Washington's Birthday. Holiday. No exercises.

April. From noon of the Wednesday immediately preceding Fast Day to the morning of the next Tuesday, Recess.

30, May, Wednesday. Memorial Day. Holiday. No exercises.

18 to 26, June, Monday to a week from the next Tuesday, both inclusive. Examinations.

27, June, Wednesday. Graduating Exercises at nine o'clock, in Memorial Hall, Brunswick.

28, June, Thursday. Bowdoin College Commencement.

THE MAINE GENERAL HOSPITAL.